

PATENT/Docket No. A0000179-C1
Serial No. 10/090,827

I. AMENDMENT

Please amend the claims as follows:

Claim 1 (currently amended): A method for the screening of ligands which bind a cerebral cortical voltage-dependent calcium channel $\alpha_2\delta$ -1 subunit, said method comprising the steps of:

- contacting a secreted soluble recombinant calcium channel $\alpha_2\delta$ -1 subunit polypeptide selected from the group consisting of SEQ ID NO: 13, 14 and 15 with:
 - a ligand of interest; and
 - a labelled compound which binds the $\alpha_2\delta$ -1 subunit; and
 - measuring the level of binding of the labelled compound to the $\alpha_2\delta$ -1 subunit.

Claim 2 (original): A method according to claim 1, wherein said contacting and said binding is in a well of a flashplate.

Claim 3 (canceled)

Claim 4 (currently amended): A method according to claim 1, wherein said secreted soluble recombinant calcium channel $\alpha_2\delta$ -1 subunit polypeptide is ~~selected from the group consisting of~~ SEQ ID NO: 15.

Claim 5 (canceled)